



Since 1994

Marathwada Mitra Mandal's
INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING
(IMERT), Pune
S. No. 18, Plot No. 5/3, CT5 No. 205, Behind Vandevi Temple, Karvenagar, Pune-
411052



6.5.2 Quality assurance initiatives of the institution include: Quality Audit Reports



Since 1994

Marathwada Mitra Mandal's
INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING
(IMERT), Pune
S. No. 18, Plot No. 5/3, CT5 No. 205, Behind Vandevi Temple, Karvenagar, Pune-
411052



Quality Audit Reports

Sr. No	Name of the Initiative
1	NAAC A+ Certificate
2	Carbon Offset Certificate
3	Environment Audit
4	Energy Audit
5	Green Audit



Since 1994

Marathwada Mitra Mandal's
INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING
(IMERT), Pune

S. No. 18, Plot No. 5/3, CTS No. 205, Behind Vandevi Temple, Karvenagar, Pune – 411052



NAAC A+ Certificate and Report



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Marathwada Mitra Mandal's
Institute of Management Education Research and Training
Karve Nagar, Pune, affiliated to Savitribai Phule Pune University,
Maharashtra as
Accredited
with CGPA of 3.30 on four point scale
at A⁺ grade
valid up to October 17, 2024*

Date : October 18, 2019



S. C. Shrivastava
Director



NAAC

Institutional Assessment and Accreditation

(Effective from July 2017)

Accreditation - (Cycle: 1)

MARATHWADA MITRA MANDAL'S INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING, PUNE, Maharashtra, 411052

Track ID : MHCOGN103552

AISHE-ID : C-41602

Visit dates : 16 - 09 - 2019 to 17 - 09 - 2019

Grade Sheet



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072, INDIA

Name of the Institution: MARATHWADA MITRA MANDAL'S INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING

Type of the Institution: Affiliated college

Dates of Visit: 16 - 09 - 2019 to 17 - 09 - 2019

No	Criteria	Weightage (W _i)	Criterion-wise weighted Grade Point (CrWGP _i)	Criterion-wise Grade Point Averages (CrWGP _i / W _i)
1	Curricular Aspects	100	400	4
2	Teaching-learning and Evaluation	330	1037	3.14
3	Research, Innovations and Extension	112	316	2.82
4	Infrastructure and Learning Resources	100	345	3.45
5	Student Support and Progression	116	359	3.09
6	Governance, Leadership and Management	92	305	3.32
7	Institutional Values and Best Practices	100	376	3.76
Total		$\sum_{i=1}^7 (W_i) = 950$	$\sum_{i=1}^7 (CrWGP_i) = 3138$	3.3

$$\text{Institutional CGPA} = \frac{\sum_{i=1}^7 (CrWGP_i)}{\sum_{i=1}^7 (W_i)} = \frac{3138}{950} = 3.3$$

Grade: A+

No	Criteria and Key Indicators	Key Indicator Weightage (W_i)	Key Indicator Wise Weighted Grade Points ($(KIWGP)_i$)
Criterion 1: Curricular Aspects			
1.1	Curricular Planning and Implementation	20	80
1.2	Academic Flexibility	30	120
1.3	Curriculum Enrichment	30	120
1.4	Feedback System	20	80
Total		$\sum W_1=100$	$\sum (KIWGP)_1 =400$
Calculated CrGPA₁ = $\sum (KIWGP)_1 / \sum W_1 = 400 / 100 = 4$			
Criterion 2: Teaching-learning and Evaluation			
2.1	Student Enrollment and Profile	30	60
2.2	Catering to Student Diversity	50	160
2.3	Teaching- Learning Process	50	180
2.4	Teacher Profile and Quality	60	200
2.5	Evaluation Process and Reforms	50	130
2.6	Student Performance and Learning Outcomes	40	110
2.7	Student Satisfaction Survey	50	197
Total		$\sum W_2=330$	$\sum (KIWGP)_2 =1037$ 7
Calculated CrGPA₂ = $\sum (KIWGP)_2 / \sum W_2 = 1037 / 330 = 3.14$			
Criterion 3: Research, Innovations and Extension			
3.1	Resource Mobilization for Research	6	15
3.2	Innovation Ecosystem	10	30
3.3	Research Publications and Awards	16	16
3.4	Extension Activities	60	175
3.5	Collaboration	20	80
Total		$\sum W_3=112$	$\sum (KIWGP)_3 =316$
Calculated CrGPA₃ = $\sum (KIWGP)_3 / \sum W_3 = 316 / 112 = 2.82$			
Criterion 4: Infrastructure and Learning Resources			
4.1	Physical Facilities	30	110
4.2	Library as a Learning Resource	20	45
4.3	IT Infrastructure	30	120
4.4	Maintenance of Campus	20	70

No	Criteria and Key Indicators	Key Indicator Weightage (W _i)	Key Indicator Wise Weighted Grade Points (KIWGP) _i
	Infrastructure		
Total		$\sum W_4=100$	$\sum (KIWGP)_4 =345$
Calculated CrGPA₄ = $\sum (KIWGP)_4 / \sum W_4 = 345 / 100 = 3.45$			
Criterion 5: Student Support and Progression			
5.1	Student Support	50	164
5.2	Student Progression	40	100
5.3	Student Participation and Activities	20	75
5.4	Alumni Engagement	6	20
Total		$\sum W_5=116$	$\sum (KIWGP)_5 =359$
Calculated CrGPA₅ = $\sum (KIWGP)_5 / \sum W_5 = 359 / 116 = 3.09$			
Criterion 6: Governance, Leadership and Management			
6.1	Institutional Vision and Leadership	10	40
6.2	Strategy Development and Deployment	10	32
6.3	Faculty Empowerment Strategies	30	106
6.4	Financial Management and Resource Mobilization	12	40
6.5	Internal Quality Assurance System	30	87
Total		$\sum W_6=92$	$\sum (KIWGP)_6 =305$
Calculated CrGPA₆ = $\sum (KIWGP)_6 / \sum W_6 = 305 / 92 = 3.32$			
Criterion 7: Institutional Values and Best Practices			
7.1	Institutional Values and Social Responsibilities	50	176
7.2	Best Practices	30	120
7.3	Institutional Distinctiveness	20	80
Total		$\sum W_7=100$	$\sum (KIWGP)_7 =376$
Calculated CrGPA₇ = $\sum (KIWGP)_7 / \sum W_7 = 376 / 100 = 3.76$			
Grand Total		950	3138

$$\text{Institutional CGPA} = \sum_{i=1}^7 (CrWGP)_i / \sum_{i=1}^7 (W_i) = 3138 / 950 = 3.3$$



Since 1994

Marathwada Mitra Mandal's
INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING
(IMERT), Pune

S. No. 18, Plot No. 5/3, CTS No. 205, Behind Vandevi Temple, Karvenagar, Pune – 411052



Carbon Offset Certificate

Carbon Offset Certificate

CARBON OFFSET CERTIFICATE

This certificate represents the avoidance of 480 tones of CO₂ emissions equivalent from the atmosphere. Presented to

MMCOE & IMERT, Pune, Maharashtra,

for the retirement of 480 Carbon Offset Units (CoUs).

Title of Project: **2.0 MW Solar Grid Power Project** by VSESPL,
Chittoor, Andhra Pradesh

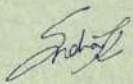
Type of Project - **Energy Industries (Renewable Sources)**

Retired Serial Numbers Range:

0001-000021-000263-UCR-CoU-IN-325-31032017-31122017

0001-000264-000500-UCR-CoU-IN-325-31032017-31122017

Retirement Date: 07/02/2024, Standard & Registry: Universal Carbon Registry
(ucarbonregistry.io) UCR Project ID: 325, Vintage Year: 2017



Sneha Kumari
Chief Sustainability Officer
Climekare Sustainability Pvt. Ltd.



Climekare



UCR
Universal Carbon Registry



Since 1994

Marathwada Mitra Mandal's
INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING
(IMERT), Pune

S. No. 18, Plot No. 5/3, CTS No. 205, Behind Vandevi Temple, Karvenagar, Pune – 411052



Environment Audit

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Mukhtangan English School, Parvati, Pune 411 009

Tel: 09890444795 Email: engress123@gmail.com

UDYAM Regn. No: UDYAM-MH-26-0135636,

MEDA Regn. No: ECN/2023-24/CR-43/1709

ISO: 9001-2015 Certified (Cert No: 23EQKC13),

ISO: 14001-2015 Certified (Cert No: 23EEKW20)

ENVIRONMENTAL AUDIT CERTIFICATE

Certificate No: ES/MMMIMERT/23-24/03

Date: 21/4/2024

This is to certify that we have conducted Energy Audit at Marathwada Mitra Mandal's Institute of Management Education Research & Training (IMERT), Karvenagar, Pune, in the Academic year 2023-24.

.The Institute has adopted following Environment Friendly Practices:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of 12750 LPD Solar Thermal Water Heating System
- Segregation of Waste at Source
- Installation of Bio Composting Unit for conversion of Organic Waste
- Disposal of Sanitary Waste through Authorized Agency
- Implementation of Rain Water Management Project
- Tree Plantation in the campus
- Creation of awareness on Water Conservation by display of posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green & Eco Friendly.

For Engress Services,

A Y Mehendale,

B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192

ASSOCHAM GEM Certified Professional: GEM: 22/788

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Mukhtangan English School,
Parvati, Pune 411 009 Tel: 09890444795 Email: engress123@gmail.com
MEDA Registration No: ECN/2022-23/CR-43/1709
ISO: 9001-2015 Certified (Cert No: 23EQKC13),
ISO: 14001-2015 Certified (Cert No: 23EEKW20)

ENVIRONMENTAL AUDIT CERTIFICATE

Certificate No: ES/MMMIMERT /22-23/03

Date: 18/4/2023

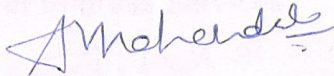
This is to certify that we have conducted Environmental Audit at Marathwada Mitra Mandal's Institute of Management Education Research & Training, Karvenagar, Pune, in the Academic year 2022-23.

The Institute has adopted following Environment Friendly Practices:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Solar Thermal Water Heating System at Hostel block
- Segregation of Waste at source
- Installation of Bio Composting Unit for conversion of Organic Waste
- Provision of Sanitary Waste Incinerator, for disposal of Sanitary Waste
- Installation of Rain Water Harvesting Project
- Tree Plantation in the campus
- Creation of awareness on Resource Conservation by display of posters

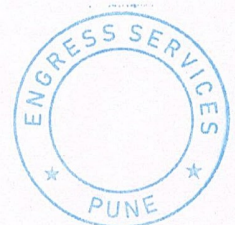
We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Eco Friendly.

For Engress Services,



A Y Mehendale,

B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788





Since 1994

Marathwada Mitra Mandal's
INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING
(IMERT), Pune

S. No. 18, Plot No. 5/3, CTS No. 205, Behind Vandevi Temple, Karvenagar, Pune – 411052



Energy Audit

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Mukhtangan English School, Parvati, Pune 411 009

Tel: 09890444795 Email: engress123@gmail.com

UDYAM Regn. No: UDYAM-MH-26-0135636,

MEDA Regn. No: ECN/2023-24/CR-43/1709

ISO: 9001-2015 Certified (Cert No: 23EQKC13),

ISO: 14001-2015 Certified (Cert No: 23EEKW20)

ENERGY AUDIT CERTIFICATE

Certificate No: ES/MMMIMERT/23-24/01

Date: 21/4/2024

This is to certify that we have conducted Energy Audit at Marathwada Mitra Mandal's Institute of Management Education Research & Training (IMERT), Karvenagar, Pune, in the Academic year 2023-24.

.The Institute has adopted following Energy Efficient Practices:

- Usage of Energy Efficient LED Fittings
- Usage of Energy Efficient BEE STAR Rated equipment
- Maximum usage of Day Lighting
- Installation of 12750 LPD Solar Thermal Water Heating System

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Engress Services,

A Y Mehendale,

B E-Mechanical, M Tech- Energy

BEE Certified Energy Auditor, EA-8192

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School, Parvati, Pune 411 009

Tel: 09890444795 Email: engress123@gmail.com

MEDA Registration No: ECN/2022-23/CR-43/1709

ISO: 9001-2015 Certified (Cert No: 23EQKC13),

ISO: 14001-2015 Certified (Cert No: 23EEKW20)

ENERGY AUDIT CERTIFICATE

Certificate No: ES/MMMIMERT/22-23/01

Date: 18/4/2023

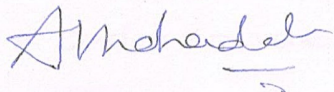
This is to certify that we have conducted Energy Audit at Marathwada Mitra Mandal's Institute of Management Education Research & Training, Karvenagar, Pune, in the Academic year 2022-23.

The Institute has adopted following Energy Efficient Practices:

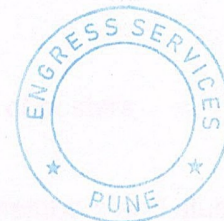
- Usage of Energy Efficient LED Fittings
- Usage of Energy Efficient BEE STAR Rated equipment
- Maximum usage of Day Lighting
- Installation of Solar Thermal Water Heating System at Hostel block

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

For Engress Services,



A Y Mehendale,
B E-Mechanical, M Tech- Energy
BEE Certified Energy Auditor, EA-8192





Since 1994

Marathwada Mitra Mandal's
INSTITUTE OF MANAGEMENT EDUCATION RESEARCH AND TRAINING
(IMERT), Pune

S. No. 18, Plot No. 5/3, CTS No. 205, Behind Vandevi Temple, Karvenagar, Pune – 411052



Green Audit

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School, Parvati, Pune 411 009

Tel: 09890444795 Email: engress123@gmail.com

UDYAM Regn. No: UDYAM-MH-26-0135636,

MEDA Regn. No: ECN/2023-24/CR-43/1709

ISO: 9001-2015 Certified (Cert No: 23EQKC13),

ISO: 14001-2015 Certified (Cert No: 23EEKW20)

GREEN AUDIT CERTIFICATE

Certificate No: ES/MMMIMERT/23-24/02

Date: 21/4/2024

This is to certify that we have conducted Energy Audit at Marathwada Mitra Mandal's Institute of Management Education Research & Training (IMERT), Karvenagar, Pune, in the Academic year 2023-24.

.The Institute has adopted following Green & Sustainable Practices:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of 12750 LPD Solar Thermal Water Heating System
- Segregation of Waste at Source
- Installation of Bio Composting Unit for conversion of Organic Waste
- Disposal of Sanitary Waste through Authorized Agency
- Implementation of Rain Water Management Project
- Maintenance of good Internal Road
- Tree Plantation in the campus
- Provision of Ramp for Divyangajan
- Creation of awareness on Water Conservation by display of posters

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Engress Services,

A Y Mehendale,

B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192

ASSOCHAM GEM Certified Professional: GEM: 22/788

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society, Near Muktangan English School,
Parvati, Pune 411 009 Tel: 09890444795 Email: engress123@gmail.com
MEDA Registration No: ECN/2022-23/CR-43/1709
ISO: 9001-2015 Certified (Cert No: 23EQKC13),
ISO: 14001-2015 Certified (Cert No: 23EEKW20)

GREEN AUDIT CERTIFICATE

Certificate No: ES/MMMIMERT/22-23/02

Date: 18/4/2023

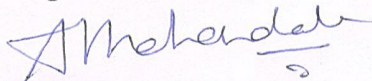
This is to certify that we have conducted Green Audit at Marathwada Mitra Mandal's Institute of Management Education Research & Training, Karvenagar, Pune, in the Academic year 2022-23.

The Institute has adopted following Energy Efficient & Green practices:

- Usage of Energy Efficient LED Light Fitting
- Usage of BEE STAR Rated Energy Efficient Equipment
- Maximum Usage of Day Lighting
- Installation of Solar Thermal Water Heating System at Hostel block
- Segregation of Waste at source
- Installation of Bio Composting Unit for conversion of Organic Waste
- Provision of Sanitary Waste Incinerator, for disposal of Sanitary Waste
- Installation of Rain Water Harvesting Project
- Maintenance of good Internal Road
- Tree Plantation in the campus
- Provision of Ramp for Divyangajan
- Creation of awareness on Resource Conservation by display of posters

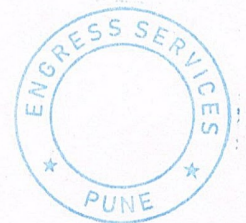
We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Engress Services,



A Y Mehendale,

B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788



Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



Natural Info Com and Engineers Pvt. Ltd.

Plot No. 58, Sec No. 7

MIDC Bhosari

Pune-411026

Contact No. 9158214594

Website: www.niceled.in

Ref No: NICE/MMIMERT/14

Date: 10/06/2022

Energy and Green Audit: Summary

1. Name of the Client: Marathwada Mitra Mandal's Institute of Management Education Research and Training, Karvenagar, Pune.
2. Form of Usage of Energy: Electrical Energy and LPG
3. Important Parameters: Electrical Energy Usage:

No	Parameter	Max	Min	Average
1	Units Consumed, kWh	7078	1478	3033
2	Max Demand, kVA	19.98	14.19	16.75

4. Floor wise Calculation of Energy Consumption

6th Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Director's Office	Led Lights	8	8
2		Fans	1	5
3		A/c	2	6
4	CRD Room	Fans	6	8
5		Led Lights	17	8
6	Board Room	A/c	2	4
7		Led Lights	6	5
8	Pantry	Led Lights	2	6
9		Fans	1	6

Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



10	Exam Control Room	Led Lights	5	6
11		Fans	2	8
12	Faculty Room	Led Lights	10	8
13		Fans	6	8
14	Corridor	Led Lights	10	4
15	Washroom	Led Lights	4	4

5th Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	NACC Office	Led Tube Lights	2	6
2		Fans	2	5
3	Account Office	Fans	4	8
4		Led Tube Lights	6	8
5	Library	Fans	8	8
6		Led Tube Lights	14	4
7	Class Room	Fans	2	6
8		Led Tube Lights	4	6
9	Corridor	Led Tube Lights	10	4
10	Washroom	Led Tube Lights	4	4

4th Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Tutorial Room	Led Tube Lights	4	6
2		Fans	2	5
3	OIA	Fans	2	6
4		Led Tube Lights	2	6
5	Class Room 5	Fans	4	8
6		Led Tube Lights	6	4
7	OIA	Fans	2	6
8		Led Tube Lights	2	6
9	Computer Room	Fans	14	5

Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



10		Led Lights	15	4
11		Computers	60	3
12	Corridor	Led Tube Lights	10	4
13	Washroom	Led Tube Lights	4	4

3rd Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Faculty Room	Led Tube Lights	2	6
2		Fans	2	7
3	Seminar Hall	Fans	14	5
4		Led Lights	17	5
5	Corridor	Led Tube Lights	10	4
6	Washroom	Led Tube Lights	4	4

2nd Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Faculty Room	Led Tube Lights	4	8
2		Fans	2	8
3	Class Room 1	Fans	4	7
4		Led Tube Lights	4	7
5	Class Room 2	Fans	4	7
6		Led Tube Lights	6	7
7	Class Room 3	Fans	4	7
8		Led Tube Lights	4	7
9	Girls Room	Fans	4	7
10		Led Tube Lights	4	7
11	Corridor	Led Tube Lights	10	4
12	Washroom	Led Tube Lights	4	4

Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



1st Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	First Aid Room	Led Tube Lights	2	2
2		Fans	2	2
3	Central Room	Fans	2	7
4		Led Tube Lights	4	7
5	Cafeteria	Fans	4	7
6		Led Tube Lights	8	7
7	Class Room	Fans	4	7
8		Led Tube Lights	6	7
9	Girls Room	Fans	4	7
10	Corridor	Led Tube Lights	10	4
11	Washroom	Led Tube Lights	4	4

Ground Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Premises	Led Tube Lights	11	12
2		Fans	7	18
3	Washroom	Led Tube Lights	4	4
4	Lift	Lift	1	14

5. Findings

- Marathwada Mitra Mandal's Institute of Management Education Research and Training at the time of inception took in consideration the recommendations of the Audit Report dated 10/06/2022, resulting in shifting from Conventional CFL Tube lights to Led Lights and Tubes.
- Average Monthly consumption of Units as per average of year is 3033 Units.
- Average Monthly bill payment is 47460 rupees.
- Average Monthly Unit Rate is 16.75 rupees per unit.

Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



6. Recommendations

Sir No	Recommendations
1.	Common Street lights to be shifted into Solar Paneled Lights.
2.	Installation of Photovoltaic Solar System On- grid of 24 KW. Generation through solar PV Panels would be approximately 3000 Units/ Month.
3.	Area required for installation of 24 KW system will be 1680 Sqft.
4.	Additional Benefits of Solar PV Installation: - Government subsidy of rupees 13400/KW. - Saving of 5% on Property Tax every Year. - The Payback period of the installation is only 3 Years whereas the system has the life of more than 30 Years. - Options available for Installations are Bank Loans, BOT, Opex, Capex, etc.
5.	Area required for installation of 24 KW system will be 1680 Sqft.
6.	Estimated Monetary savings by installation of Solar PV would be around - - Rs 47460 Monthly and Rs 569520 per Year.

For Natural Info Com and Engineers Pvt. Ltd.




Mr. Rakesh Bajoria
(Chief Executive Officer)

Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



Natural Info Com and Engineers Pvt. Ltd.

Plot No. 58, Sec No. 7

MIDC Bhosari

Pune-411026

Contact No. 9158214594

Website: www.niceled.in

Ref No: NICE/MMIMERT/14

Date: 04/06/2021

Energy and Green Audit: Summary

1. Name of the Client: Marathwada Mitra Mandal's Institute of Management Education Research and Training, Karvenagar, Pune.
2. Form of Usage of Energy: Electrical Energy and LPG
3. Important Parameters: Electrical Energy Usage:

No	Parameter	Max	Min	Average
1	Units Consumed, kWh	3394	1133	2097
2	Max Demand, kVA	20.4	18.8	19.06

4. Floor wise Calculation of Energy Consumption

6th Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Director's Office	Led Lights	8	8
2		Fans	1	5
3		A/c	2	6
4	CRD Room	Fans	6	8
5		Led Lights	17	8
6	Board Room	A/c	2	4
7		Led Lights	6	5
8	Pantry	Led Lights	2	6
9		Fans	1	6

Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



10	Exam Control Room	Led Lights	5	6
11		Fans	2	8
12	Faculty Room	Led Lights	10	8
13		Fans	6	8
14	Corridor	Led Lights	10	4
15	Washroom	Led Lights	4	4

5th Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	NACC Office	Led Tube Lights	2	6
2		Fans	2	5
3	Account Office	Fans	4	8
4		Led Tube Lights	6	8
5	Library	Fans	8	8
6		Led Tube Lights	14	4
7	Class Room	Fans	2	6
8		Led Tube Lights	4	6
9	Corridor	Led Tube Lights	10	4
10	Washroom	Led Tube Lights	4	4

4th Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Tutorial Room	Led Tube Lights	4	6
2		Fans	2	5
3	OIA	Fans	2	6
4		Led Tube Lights	2	6
5	Class Room 5	Fans	4	8
6		Led Tube Lights	6	4
7	OIA	Fans	2	6
8		Led Tube Lights	2	6
9	Computer Room	Fans	14	5

Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



10		Led Lights	15	4
11		Computers	60	3
12	Corridor	Led Tube Lights	10	4
13	Washroom	Led Tube Lights	4	4

3rd Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Faculty Room	Led Tube Lights	2	6
2		Fans	2	7
3	Seminar Hall	Fans	14	5
4		Led Lights	17	5
5	Corridor	Led Tube Lights	10	4
6	Washroom	Led Tube Lights	4	4

2nd Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Faculty Room	Led Tube Lights	4	8
2		Fans	2	8
3	Class Room 1	Fans	4	7
4		Led Tube Lights	4	7
5	Class Room 2	Fans	4	7
6		Led Tube Lights	6	7
7	Class Room 3	Fans	4	7
8		Led Tube Lights	4	7
9	Girls Room	Fans	4	7
10		Led Tube Lights	4	7
11	Corridor	Led Tube Lights	10	4
12	Washroom	Led Tube Lights	4	4

Natural Infocom And Engineers Pvt. Ltd.



Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



1st Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	First Aid Room	Led Tube Lights	2	2
2		Fans	2	2
3	Central Room	Fans	2	7
4		Led Tube Lights	4	7
5	Cafeteria	Fans	4	7
6		Led Tube Lights	8	7
7	Class Room	Fans	4	7
8		Led Tube Lights	6	7
9	Girls Room	Fans	4	7
10	Corridor	Led Tube Lights	10	4
11	Washroom	Led Tube Lights	4	4

Ground Floor

Sir No	Premises Type	Electrical Appliance	Present Quantity	Usage Hours
1	Premises	Led Tube Lights	11	12
2		Fans	7	18
3	Washroom	Led Tube Lights	4	4
4	Lift	Lift	1	14

5. Findings

- Marathwada Mitra Mandal's Institute of Management Education Research and Training at the time of inception took in consideration the recommendations of the Audit Report dated 04/06/2021, resulting in shifting from Conventional CFL Tube lights to Led Lights and Tubes.
- Average Monthly consumption of Units as per average of year is 2097.25 Units.
- Average Monthly bill payment is 35153 rupees.
- Average Monthly Unit Rate is 16.76 rupees per unit.

Natural Infocom And Engineers Pvt. Ltd.



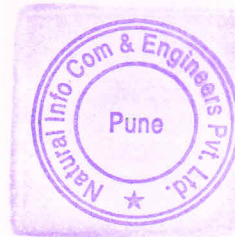
Regd. Office & Factory : C/o. Rudrapratap Forms Pvt. Ltd., Plot No. 58, MIDC,
Bhosari, Pune - 411 026. MH, INDIA • Cell : +91 9370146599 / 7507183340
Email : niceleds@gmail.com • Web.: www.niceleds.in
CIN No.: U72400PN2009PTC133897 • GSTIN : 27AADCN0033A1Z9



6. Recommendations

Sir No	Recommendations
1.	Common Street lights to be shifted into Solar Paneled Lights.
2.	Installation of Photovoltaic Solar System On- grid of 16.778 KW. Generation through solar PV Panels would be approximately 2097.25 Units/ Month.
3.	Area required for installation of 16.778 KW system will be 1174 Sqft.
4.	Additional Benefits of Solar PV Installation: - Government subsidy of rupees 13400/KW. - Saving of 5% on Property Tax every Year. - The Payback period of the installation is only 3 Years whereas the system has the life of more than 30 Years. - Options available for Installations are Bank Loans, BOT, Opex, Capex, etc.
5.	Area required for installation of 16.778 KW system will be 1174 Sqft.
6.	Estimated Monitory savings by installation of Solar PV would be around - - Rs 35153 Monthly and Rs 421842 per Year.

For Natural Info Com and Engineers Pvt. Ltd.



Mr. Rakesh Bajoria
(Chief Executive Officer)